FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

CHANGES ARE IN INDICATED IN BOLD AND HIGHLIGHTED

APPLICATION NO. 558214

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 10: REVERB FURNACE FEED ROOM APCS					
BAGHOUSE, NO. 1, WITH 494 BAGS, EACH 5 INCHES DIAMETER X 12 FEET LONG, PTFE MEMBRANE, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, PULSE JET CLEANED A/N: **558214**	C156	**B206** D109 D110 D111 D112 D113 D151 S158 C175 C182 C190 **C200**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.4, D12.6, D12.7, D12.10, D12.16, D381.1, E102.1, H116.1, H116.4
DUST COLLECTOR, HEPA, WITH 25 PRE-FILTERS, EACH 2 FT. W. X 2 FT. L. X 2 INCHES THICK, WITH, 25 HEPA FILTERS, EACH 2 FT. W. X 2 FT. L. X 1 FT. THICK **A/N: 558214**	**C200**	**C156 S158**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D12.19, D182.10, D323.1, E102.1, E448.1, H116.1, H116.2, K171.7
BAGHOUSE, NO. 2, WITH 494 BAGS, EACH 5 INCHES DIAMETER X 12 FEET LONG, PTFE MEMBRANE, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, PULSE JET CLEANED A/N: **558214**	C157	**B206** D109 D110 D111 D112 D113 D151 S158 C175 C182 C190 **C201**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.4, D12.6, D12.7, D12.10, D12.16, D381.1, E102.1, H116.1, H116.4
DUST COLLECTOR, HEPA, WITH 25 PRE-FILTERS, EACH 2 FT. W. X 2 FT. L. X 2 INCHES THICK, WITH, 25 HEPA FILTERS, EACH 2 FT. W. X 2 FT. L. X 1 FT. THICK **A/N: 558214**	**C201**	**C157 S158**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D12.19, D182.10, D323.1, E102.1, E448.1, H116.1, H116.2, K171.7
STACK, HEIGHT: 120 FT ; DIAMETER: 6 FT A/N: **558214**	S158	**C200, C201**			D182.5, D182.10 **D182.11 E448.11** D381.1, K171.7

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 559499

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 2: FEED DRYING SYSTEM					
DRYER, ROTARY, NATURAL GAS, FEED DRYING, 8 MMBTU/HR A/N: **564346**	D115	C143	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.005 LBS/TON MATERIAL (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	B295.1, C6.1, D12.8, D323.1, H116.2, K67.10
CONVEYOR, SCREW, DRYER DISCHARGE A/N: **564346**	D116	C143		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CYCLONE, HEIGHT: 17 FT 7 IN; DIAMETER: 5 FT 10 IN A/N: **559499**	C143	D114 D115 D116 C144		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 5881 SQ.FT.; 312 BAGS A/N: **559499**	C144	C143 C184		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
INJECTOR, SIDEWALL WATER SPRAY, WITH 2 FLAMEX F180 NOZZLES, WITH SPARK ARRESTOR CONTROLLER, FLAMEX FMZ4100GAB24, A BATTERY BACK-UP, 8 FUX 3001-E OPTICAL IR SPARK DETECTORS A/N: **559499**	B176				E448.6
DUST COLLECTOR, HEPA, WITH 6 PRE-FILTERS EACH 2 FT W. X 2 FT L. X 2 INCHES THICK, WITH 6 HEPA FILTERS EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N: **559499**	C184	C144 **C199**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.18, D323.1, H116.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
OXIDIZER, REGENERATIVE, OXIDIZERS INC, MODEL OX-2CH-PP02, 8FT W.X14FT L. X14FT-6 IN.H, NATURAL GAS, WITH A MAXON 3 IN. BURNER AND A 10-H.P. COMBUSTION AIR BLOWER, 2.5 MMBTU/HR, WITH A 100-H.P. EXHAUST BLOWER **A/N: 559499**	**C199**	**C184 S145**	**NOX: PROCESS UNIT**; SOX: PROCESS UNIT****	**CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 30 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 5-6-2005]**	**C8.9** **D182.11** **D182.12** **D182.13** D323.1 K67.12 K171.6
STACK, HEIGHT: 120 FT ; DIAMETER: 3 FT A/N: **559499**	S145	**C199**			D182.5, **D182.11** **D182.12** **D182.13 E448.11** D381.1, K171.6

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562498 and APPLICATION NO. 562503

Equipment	ID No. (APCS No. 2)	Connected To (APCS No. 2)	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements (APCS No. 1)	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 7: REVERBERATORY AND CUPOLA FURNACE APCS					
TOWER, QUENCH CHAMBER, WATER SPRAY TYPE, HEIGHT: 61 FT ; DIAMETER: 10 FT WITH **A/N: 562503**	D135	D119 D136		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, QUENCH CHAMBER CLEANOUT DOOR	D149	C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
HEAT EXCHANGER, REVERB FURNACE EXHAUST GAS, A-PIPE TYPE, 49 IN. OUTSIDE DIA., 130 FT. TOTAL LENGTH **A/N: 562503**	D136	D135 D137		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
HEAT EXCHANGER, ,BALLOON TYPE FLUE COOLER, SECTION 1, REVERB FURNACE EXHAUST GAS, 66 IN. W., 48 FT. L., 9 FT. H. **A/N: 562503**	D137	D136 D138		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
HEAT EXCHANGER, ,BALLOON-TYPE FLUE COOLER, SECTION 2, REVERB FURNACE EXHAUST GAS, 48 IN. W., 66 FT. L., 6 FT. H. **A/N: 562503**	D138	C40 D137		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
AFTERBURNER, NATURAL GAS, WITH A 20 HP COMBUSTION AIR BLOWER, 10 MMBTU/HR **NATURAL GAS FIRED** **A/N: 562498**	C44	**D128 D134**	NOX: MAJOR SOURCE** **SOX: MAJOR SOURCE****	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	C8.1, D323.1, H116.2, K67.8
DUST COLLECTOR, RTO GAS INLET CONDITIONING, CARTRIDGE TYPE, MAC, MODEL MAC2FLO 4M2F64, WITH 64 CARTRIDGE FILTERS, EACH 2 FT.-6 IN L. X 2 FT.-4.4 IN. DIA., PULSE JET CLEANED. A/N 562498	**C204**	**D133 C205**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D12.17, D323.1 D381.1, E102.1, E193.1, H116.2, H116.4, **K67.13**

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
OXIDIZER, REGENERATIVE, OXIDIZERS INC, MODEL OX-2CH-PP02U,11FT W.X19FT-6IN L. X23FT-11 IN.H, NATURAL GAS, WITH A MAXON 4 IN. BURNER AND A 10-H.P. COMBUSTION AIR BLOWER, 4.6 MMBTU/HR, WITH A 200-H.P. BOOSTER BLOWER **A/N: 562498**	**C205**	**C204 C41C45 C174**	**NOX: MAJOR SOURCE**** **SOX: MAJOR SOURCE****	**CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 5-6-2005]**	**C8.9** D323.1 **K67.12 D182.12 D182.13 E448.14**
TANK, CUPOLA JACKET COOLING, THERMOSIPHON **A/N: 562498**	D134	**C44** D183			
HEAT EXCHANGER, CUPOLA FURNACE EXHAUST GAS, A-PIPE TYPE, 49 IN. OUTSIDE DIA., 130 FT. TOTAL LENGTH **A/N: 562498**	D183	D134 D173		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
HEAT EXCHANGER, U-TUBE COOLER, FIVE SECTION, WITH 2 HOPPERS, A TUBE BYPASS, A TUBE DAMPER VALVE, AND A HOPPER BY-PASS WITH A DAMPER **A/N: 562498**	D173	C174 D183		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
CYCLONE, DIAMETER: 4 FT 9 IN **A/N: 562498**	C174	**D7 D9 C41** C45 D173		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 21362 SQ.FT.; 510 BAGS, **WITH A 450-H.P. EXHAUST BLOWER** **A/N: 562503**	C40	C42 D138 **C202**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.3, D12.5, D12.6, D12.11, **D182.14 D182.15** D381.1, E102.1, E193.1, **E448.14** H116.1, H116.2, H116.4, K67.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 21362 SQ.FT.; 510 BAGS, **WITH A 450-H.P. EXHAUST BLOWER A/N: 562498**	C41	**D7 D9** C42 **D132 C174 C202**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.3, D12.5, D12.6, D12.11, **D182.14 D182.15** D381.1, E102.1, E193.1, **E448.14** H116.1, H116.2, H116.4, K67.2
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 22620 SQ.FT., **WITH A 450-H.P. EXHAUST BLOWER A/N: 562498**	C45	**D7 D9** C42 **D173** C174 **C202**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C6.3, D12.5, D12.6, D12.11, **D182.14 D182.15** D381.1, E102.1, E193.1, **E448.14** H116.1, H116.2, H116.4, K67.2
SCRUBBER, VENTURI, AIRPOL, MODEL 3970P, HEIGHT: 13 FT 9 IN; DIAMETER: 4 FT **A/N: 562503**	C42	C40 C41 C43 C45		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **ROG**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]	C8.2, C8.3, C8.5, C8.6, C8.7, **D182.14 D182.15** D323.1, **E448.14** H116.2, K67.7
SCRUBBER, TRAY**, NEPTUNE AIRPOL, MODEL T-271, WITH 3 TRAYS,** HEIGHT: 30 FT 9 IN; DIAMETER: 8 FT 6 IN **A/N: 562503**	C43	C42 S139		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **ROG**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]	C8.2, C8.3, C8.5, C8.6, C8.7, **D182.14 D182.15** D323.1, H116.2, K67.7
SCRUBBER, VENTURI, AIRPOL, MODEL BASIC C-B VENTURI, HEIGHT: 17 FT; DIAMETER: 4 FT 9 IN. A/N: 562498	**C202**	**C40 C41 C45 C203**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: (10) [40CFR 63 Subpart X, #01, 1-29-1999]**	**C8.10, C8.12 C8.13 D182.15** D323.1, H116.2, K67.7

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
SCRUBBER, TRAY, AIRPOL, MODEL BASIC C-B VENTURI, WITH 4 TRAYS, HEIGHT: 35 FT 6 IN; DIAMETER: 11FT. A/N: 562498	**C203**	**S139 C202**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: (10) [40CFR 63 Subpart X, #01, 1-29-1999]**	**C8.11, C8.12 C8.13 D182.15** D323.1, H116.2, K67.7
STACK, COMMON TO REVERB AND CUPOLA, HEIGHT: 112 FT ; DIAMETER: **7 FT 6 IN, WITH AN EXHAUST OUTLET DIAMETER: 5 FT 5 IN. A/N: 562503**	S139	C43 **C203**		**LEAD**: 0.01 LBS/HR (6) [RULE 1420.1, 11-5-2010]	A63.1, D82.1, **D182.11 D182.14** D323.1, **E448.11** K67.9 K171.6

APPLICATION NO. 562499

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 4, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR **A/N: 562499**	D13	C38 C39 C46 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

APPLICATION NO. 562500

RECLAIM/TITLE V SIGNIFICANT PERMIT REVISION

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562501

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 4: LEAD SLAG PROCESSING SYSTEM)					
HOPPER, WEIGH, CUPOLA FURNACE FEED A/N: **562501**	D126	C48		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
HOPPER, CUPOLA FURNACE FEED, EMERGENCY A/N: **562501**	D127			**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
FURNACE, CUPOLA, COKE, NATURAL GAS, LEAD SLAG AND LEAD ACID BATTERY SCRAP, **WITH A 1 MMBTU/HR PORTABLE NATURAL GAS PRE-HEATING BURNER.** A/N: **562501**	D128	C38 C39 C44	NOX: MAJOR SOURCE** **SOX: MAJOR SOURCE****	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.022 GRAINS/SCF (8A) [**40CFR 60 Subpart L, 12-3-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: **1.80** PPMV (3) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	A63.2, B59.2, B163.2, C1.2, **D12.20** **D182.14** D323.1, **E448.12** **E448.13** H116.2, K67.5 D182.6 K171.6
TAPPING PORT, LEAD A/N: **562501**	D129	C38 C39 C46		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N: **562501**	D130	C38 C39 C46		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N: **562501**	D131	C38 C39 C46		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
TAPPING PORT, LEAD SLAG A/N: **562501**	D132	C38 C39 **C41** **C45 C174**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	**D182.14** D323.1 **E448.12** **E448.14**
FUGITIVE EMISSIONS, MISCELLANEOUS, CUPOLA FURNACE THIMBLE**,** WITH AN AUTOMATIC FEED CHUTE COVER DOOR A/N: **562501**	D133	C38 C39 **C204**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	**D182.14** **E448.12** D323.1 E448.9

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562502

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 2, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR **A/N: 562502**	D9	C38 C39 **C41 C45 B206 C174**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, **E448.12 E448.14** H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562504

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 3, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR **A/N: 562504**	D11	C38 C39 C46 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562505

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 5, NATURAL GAS, SPECIALTY LEAD, 2.5 MMBTU/HR **A/N: 562505**	D15	C38 C39 C46 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562506

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 6, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562506**	D24	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562507

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 7, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562507**	D26	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562508

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 8, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562508**	D28	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562509

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 9, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562509**	D30	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 12-7-1995;** *RULE 2012, 4-9-1999*]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	A63.2, **B59.3**, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562510

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, A, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR **A/N: 562510**	D17	C38 C39 C46 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562511

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, B, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR **A/N: 562511**	D19	C38 C39 C46 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562512

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, E, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562512**	D34	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562513

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, F, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562513**	D36	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3**, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
MANIFOLD, POT FURNACE BURNER EXHAUST, BASEMENT BURNER ROOM, WITH A 15-H.P. EXHAUST BLOWER	**B206**	**D7 D9 D11 D13 D15 D17 D19 D24 D26 D28 D30 D32 D34 D36 C156 C157**			

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562514

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, G, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR **A/N: 562514**	D32	C38 C39 C47 **B206**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, **B59.3,** B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 562515

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 5: LEAD METAL REFINING SYSTEM					
FURNACE, POT, NO. 1, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR **A/N: 562515**	D7	C38 C39 **C41 C45 B206 C174**	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **NOX**: 0.017 LBS/LB MATERIAL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 0.077 LBS/LB MATERIAL (1A) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.133 LBS/LB MATERIAL (1) [**RULE 2011, 5-6-2005**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2011, 5-6-2005**]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, **E448.12 E448.14** H116.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 564346

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 3: LEAD SMELTING SYSTEM					
CONVEYOR, SCREW, FEED **A/N: 564346**	D197	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
CONVEYOR, SCREW, FEED A/N: 564346	**D198**	**C38 C39 C47**		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
FURNACE, REVERBATORY, NATURAL GAS, LEAD ACID BATTERY SCRAP, 30 MMBTU/HR **A/N: 564346**	D119	C38 C39 D135	NOX: MAJOR SOURCE** **SOX: MAJOR SOURCE****	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.022 GRAINS/SCF (8A) [**40CFR 60 Subpart L, 12-3-1976**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: **1.80** PPMV (3) [**RULE 2011, 12-7-1995;** *RULE 2011, 4-9-1999*]	A63.2, B59.1, B163.1, C1.3, C1.4, C303.1, D12.2, D12.3, D12.4, D12.8, **D12.20** D323.1, **E448.13** H116.2, K67.11
TAPPING PORT, LEAD **A/N: 564346**	D120	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
LAUNDER, LEAD, REVERB TAP **A/N: 564346**	D121	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
LAUNDER, LEAD, REVERB TAP **A/N: 564346**	D122	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
LAUNDER, LEAD, REVERB TAP **A/N: 564346**	D123	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
TAPPING PORT, LEAD SLAG **A/N: 564346**	D124	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, SLAG HANDLING SYSTEM **A/N: 564346**	D125	C38 C39 C47		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 405, 2-7-1986**]	D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

APPLICATION NO. 564348

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 8: CUPOLA AND HARD LEAD REFINERY FURNACES APCS					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. **A/N: 564348**	C46	D8 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D129 D130 D131 D133 C177 C196		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.6, D12.7, D12.10, D12.11, D182.10, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3, K171.7
DUST COLLECTOR, HEPA, 8 SECTIONS, WITH 72 PRE-FILTERS TOTAL, EACH 2 FT. W. X 2 FT. L. X 2 INCHES THICK, WITH, 72 HEPA FILTERS TOTAL, EACH 2 FT. W. X 2 FT. L. X 1 FT. THICK **A/N: 564348**	C196	C46 S140		**LEAD**: (10) [**40CFR 63 Subpart X, #01, 1-29-1999**]; **PM**: (9) [**RULE 404, 2-7-1986**]	D12.19, D182.10, D323.1, E102.1, E448.1, H116.1, H116.2, K171.7
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN **A/N: 564348**	S140	C196			D182.10, **D182.11** D381.1 **E448.11** K171.7

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

*(Note: additions and changes are shaded and indicated in **bold type**)*

DEVICE CONDITIONS

B. Material/Fuel Type Limits

NEW
B59.3 The operator shall not use the following material(s) in this device :

Arsenic metal and/or chemical additives containing arsenic compounds.

[RULE 1401, RULE 1402, RULE 1407, RULE 1420.1]

[Devices subject to this condition : D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

C. Throughput or Operating Parameter Limits

MODIFIED
C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

A) For the purpose of this condition, the temperature gauge shall be located at a distance not less than 7'-10" (7 feet and 10 inches) downstream of the burner location in the afterburner combustion chamber.

B) For the purpose of this condition, the temperature gauge may be either a fixed installation, a mechanically retractable installation, and/or a manually retractable installation.

C) The operator shall also install and maintain a device to continuously record the parameter being measured.

D) The measuring device or gauge shall be accurate to within plus or minus 42 degrees Fahrenheit. It shall be calibrated once every 12 months.

E) During operation of the cupola furnace (including startup and shutdown), the temperature readings of the temperature gauge described in this condition shall be recorded continuously.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

F) During cold startup of the cupola furnace, the temperature gauge shall indicate at least 1400 Degrees Fahrenheit prior to the initiation of carbon coke and/or furnace feed material charging in the cupola furnace.

G) During shutdown of the cupola furnace, the temperature gauge shall indicate at least 1400 Degrees Fahrenheit until all combustion activity in the cupola furnace has ceased. For the purpose of this condition, combustion activity is defined as burning or smoldering of carbon coke and/or any other organic material in the cupola furnace as evidenced by the presence of incandescent light and visible emissions.

H) This condition applies to requirements for afterburner operation. In addition to these requirements, the other parts of the air pollution control system serving the cupola furnace, including but not limited to, baghouses and scrubbers shall remain in full operation as long as there is the presence of any molten lead or molten slag inside of the cupola furnace.

I) During periods of breakdown or malfunction, the operator shall comply with the breakdown and notification requirements in Rule 430. In addition, when a breakdown or malfunction of this equipment results in an event which results in non-compliance with the temperature limit in this condition, the operator shall file a Title V deviation report in accordance with the provisions of Rule 3004.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]

[Devices subject to this condition : C44]

DELETED
C8.8

(Replaced by enhanced condition C8.1)

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

NEW

C8.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the regenerative thermal oxidizer (RTO), in degrees Fahrenheit.

Each temperature measuring device shall be equipped with a chart recorder to continuously monitor and record the temperature in the RTO.

Each temperature measuring device shall be accurate to within plus or minus 45 degrees Fahrenheit. Each device shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, RULE 1401, RULE 407]

[Devices subject to this condition: C199, C205]

NEW

C8.10 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 800 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the venturi scrubber and the tray-type scrubber, in gallons per minute.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : C202]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

NEW
C8.11 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 650 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the tray-type scrubber, in gallons per minute.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : C203]

NEW
C8.12 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 6.5 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : C202, C203]

NEW
C8.13 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 35 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

[RULE 1303(a)(1)-BACT, RULE 1401]

[Devices subject to this condition : C202, C203]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D. Monitoring/Testing Requirements

NEW

D12.20 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure in the furnace, in inches water column.

A. The pressure differential gauge shall be installed, operated, and maintained pursuant to the requirements in condition E448.13.

B. The furnace shall be operated such that static differential furnace pressure, in inches of water column averaged over 30 minutes, is maintained at a value -0.02 or more negative, except as specified in condition E448.13.

[RULE 1420.1]

[Devices subject to this condition : D119 D128]

MODIFIED

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOx concentration in PPMv

SOx concentration in PPMv

CO concentration in ppmv

The CEMS will convert the actual NOx**, SOx** and CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and maintained to totalize the exhaust gas flow rate, in dry standard cubic feet.

The SOx emissions in the common cupola and reverb scrubber stack outlet shall be quantified based on a concentration limit for SOx and total exhaust gas flow rate measured by the NOx CEMS**, prior to the installation of the SOx CEMS.**

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The SOx concentration limit shall be equal to **1.80** PPMv at actual stack conditions**, prior to the installation of the SOx CEMS**. Concentrations and exhaust gas flow rates **measured by the CEMS** shall be based on dry, standard conditions.

Exide shall submit an application and protocol to certify the SOx CEMS to measure SOx emissions, not later than 60 days following the issue date of this permit.

The concentration limits for the reverberatory and cupola furnaces shall not be used for emission reporting purposes subsequent to the certification of the SOx CEMS.

The source test report for the SOx CEMS certification shall be submitted to the SCAQMD not later than 180 days of initial startup of the new venturi scrubber, tray scrubber, and cupola thimble hood enclosure RTO of device nos. C202, C203 and C205, respectively.

Written results shall be submitted to the SCAQMD within 60 days after testing of the SOx CEMS is complete.

[RULE 2011; RULE 2012**; RULE 407**]

[Devices subject to this condition : S139]

DELETED
Condition D182.6

[RULE 1402, 3-4-2005]
[Devices subject to this condition : D128]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

NEW
D182.11 The operator shall test this equipment in accordance with the following specifications:

A. This condition defines specific groups of compounds which shall be tested as stated in D182.x conditions, where applicable, contained in this Facility Permit. (For the purposes of this condition, x is the specific condition number.) Refer to each D182.x condition for specific requirements, where applicable.

B. The tests shall be performed to measure the emissions to the atmosphere at the air pollution control system (APCS) stack outlet of the following compounds while the process equipment is operated at maximum capacity and maximum potential to emit.

C. Tests shall include, but may not be limited to, a test for the following compounds in each air pollutant group:

Group 1: Rule 1407 and 1420.1 Toxic Metals:

Total Arsenic
Total Cadmium
Total Lead

Group 2: Additional Toxic Metals

Total Beryllium
Hexavalent Chromium
Total Cobalt
Total Copper
Total Manganese
Total Mercury
Total Nickel
Total Selenium
Total Vanadium

Group 3: Rule 1420.1 Toxic Organic Compounds

Benzene
1,3-Butadiene

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Group 4: Additional Toxic Organic Compounds

Carbon Tetrachloride
Chlorobenzene
Chloroform
1,2-Dibromoethane
1,4-Dichlorobenzene
1,2-Dichloroethane
1,1-Dichloroethene
1,4-Dioxane
Ethylbenzene
Methylene Chloride
Styrene
1,1,2,2,-Tetrachloroethane
Tetrachloroethene
Toluene
1,1,2-Trichloroethane
Trichloroethene
Vinyl Chloride
o-Xylene
m,p-Xylenes
Polychlorinated Dibenzo-p-dioxins (PCDD's)
Polychlorinated Dibenzofurans (PCDF's)
Polychlorinated Biphenyls (PCB's)
Polynuclear Aromatic Hydrocarbons (PAH's)
Hydrogen Sulfide
Formaldehyde
Acetaldehyde

Group 5: RECLAIM Emissions

Oxides of Nitrogen
Oxides of Sulfur

Group 6: Criteria Emissions

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Total non-methane hydrocarbons
Carbon Monoxide
Particulate Matter Less Than 10 microns (PM10)

[RULE 404, RULE 405, RULE 407, RULE 409, RULE 1401, RULE 1402, RULE 1407, RULE 1420, RULE 1420.1, RULE 2011, RULE 2012, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offset, 40CFR 60 Subpart L, 40CFR 63, Subpart X]

[Devices subject to this condition: S139, S140, S141, S142, S145, S158, S166, S187, S189]

NEW
D182.12 The operator shall test this equipment in accordance with the following specifications:

A) The test(s) shall be conducted and a written report submitted to the SCAQMD not later than 180 days of initial startup of the regenerative thermal oxidizers (RTO's).

B) Triplicate test(s) shall be performed to measure the emissions to the atmosphere of the compounds listed in air pollutant group numbers 1, 3, 5, and 6 defined in condition D182.11. In addition, the test(s) shall measure the inlet emission rates as required in condition D182.13, to determine if the RTO is performing as expected to meet Rule 1402 and BACT requirements.

C) Tests for NOx and SOx shall be performed pursuant to the protocol requirements in Rules 2012 and 2011, respectively.

D) A source testing plan shall be submitted to the SCAQMD for approval at least 60 days prior to testing. All tests shall be conducted in accordance with the plan as approved.

E) Written notice shall be provided to the SCAQMD at least 10 days prior to testing so that an SCAQMD observer may be present during the tests.

F) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with SCAQMD approved procedures.

G) Sampling facilities shall comply with the SCAQMD "Guidelines For The Construction Of Sampling And Testing Facilities", pursuant to Rule 217.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

H) Written results shall be submitted to the SCAQMD within 60 days after testing and shall include the items listed in condition E448.11.

[RULE 404, RULE 405, RULE 407, RULE 409, RULE 1401, RULE 1402, RULE 1407, RULE 1420, RULE 1420.1, RULE 2011, RULE 2012, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offset, 40CFR 63, Subpart X]

[Devices subject to this condition: S145, C199, C205]

NEW
D182.13 The operator shall test this equipment in accordance with the following specifications

A) Triplicate tests shall be performed to measure the emissions at the regenerative thermal oxidizer (RTO) inlets for RTO's installed on the outlet of the rotary dryer HEPA filter and the RTO venting the cupola furnace thimble hood enclosure.

B) The respective tests shall be performed while the rotary dryer furnace and reverberatory furnace are operated at maximum capacity in the case of the rotary dryer RTO and while the cupola furnace is operating at maximum capacity in the case of the cupola furnace thimble enclosure RTO.

C) The tests at the rotary dryer RTO inlet shall be performed simultaneously with the tests for these compounds at the rotary dryer RTO outlet.

D) The tests at the cupola thimble hood enclosure RTO inlet shall be performed simultaneously with the tests for these compounds at the common scrubber stack outlet serving the reverberatory and cupola furnace air pollution control systems.

E) The tests shall include, but may not be limited to, a test for:

1,3-Butadiene
Benzene
Total and non-methane hydrocarbons
Carbon Monoxide

[RULE 1401, 3-4-2005; RULE 1402, 3-4-2005]
[Devices subject to this condition: C199, C205]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

NEW
D182.14 The operator shall test this equipment in accordance with the following specifications:

A) The test(s) shall be conducted and a written report submitted to the SCAQMD not later than 180 days of initial startup of the new venturi and tray scrubbers.

B) The source tests shall be performed ONLY after the smoke tests demonstrate complete smoke capture as stated in condition E448.12. Source tests performed without the required initial smoke tests shall be considered non-representative and shall be repeated.

C) Triplicate test(s) shall be performed to measure the emissions to the atmosphere of the compounds listed in air pollutant group numbers 1, 2, 3, 4, 5 and 6 defined in condition D182.11. The tests shall be performed at the outlets of the scrubbers of devices C43 and C203, each.

D) Test(s) shall also be performed to measure the inlet emission rates as required in condition D182.15, to determine if the air pollution control systems are performing as expected to meet Rule 1402, Rule 1407, RULE 1420 and BACT requirements.

E) Pursuant to the Risk Reduction Plan and Rule 1402, Exide is required to conduct source tests upon completion of the upgrades. If the above-referenced source tests are conducted at less than 85 percent of its current permitted charge rate limits for each furnace, within 30 days of approval of those source test results by the District, Exide shall submit a permit application to the District requesting a commensurate reduction in its permitted charge rate limits for the applicable furnaces to charge rates such that the source tested charge rates are equivalent to 85 percent of the proposed permitted charge rates.

F) For the purpose of condition E, the daily process weight limit for each furnace shall be calculated by multiplying the average process weight demonstrated during each set of the three test runs for each furnace, in pounds per hour each, by a factor of 24. The calculated average process weight shall be the average of the process weights in the three test runs. The daily limits calculated this way, in pounds per day, for each furnace, shall be divided by a factor of 2,000 and the limit set in the permit in units of tons per day, respectively, for each furnace.

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The operator shall comply with the terms and conditions set forth below:

G) Exide shall ensure that the instantaneous process weights for each furnace are recorded during each test run and the total amounts of process weight charged to each furnace is integrated for the duration of each and every test run.

H) If separate sets of triplicate test runs are required for the quantification of metals, and of any other compounds, the average throughput limits calculated pursuant to this condition shall be based on the test runs where arsenic emissions are measured.

I) Exide shall plan the availability of feed materials in advance prior to each set of source tests in order to ensure compliance with the requirements in this condition.

J) Elemental arsenic additions shall be performed in the pot furnaces vented by the baghouse of device C41 during at least one of the source test runs performed to quantify arsenic emissions.

K) Exide shall prepare and submit a detailed log of the elemental arsenic additions made to each of the lead refining furnaces vented to cupola baghouse 2 (Device C41) during each test run. This special log shall be included as part of the source test report submitted to the SCAQMD.

L) The special log of subpart K of this condition shall record the following information:

Calendar date
Test run number
Test run start and stop time
Pot furnace identification(s)
Chronological time
Pounds of elemental arsenic charged to each pot furnace

M) The source tests for metals shall be performed in accordance with ARB Method 436 - Determination of Multiple Metal Emissions from Stationary Sources.

N) Tests for NOx and SOx shall be performed pursuant to the protocol requirements in Rules 2012 and 2011, respectively.

O) Written notice shall be provided to the SCAQMD at least 7 days prior to testing so that an SCAQMD observer may be present during the tests.

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The operator shall comply with the terms and conditions set forth below:

P) Sampling facilities shall comply with the attached SCAQMD "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.

Q) Exide shall ensure that there are enough personnel available during each test run to collect and report all of the required information as noted in conditions A through N. Written results shall be submitted to the SCAQMD within 60 days after testing is completed.

R) A source testing plan shall be submitted to the SCAQMD for approval at least 60 days prior to testing. All tests shall be conducted in accordance with the plan as approved.

S) Written notice shall be provided to the SCAQMD at least 10 days prior to testing so that an SCAQMD observer may be present during the tests.

T) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with SCAQMD approved procedures.

U) Sampling facilities shall comply with the SCAQMD "Guidelines For The Construction Of Sampling And Testing Facilities", pursuant to Rule 217.

V) Written results shall be submitted to the SCAQMD within 60 days after testing and shall include the items listed in condition E448.11.

[RULE 404, RULE 405, RULE 407, RULE 409, RULE 1401, RULE 1402, RULE 1407, RULE 1420, RULE 1420.1, RULE 2011, RULE 2012, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offset, 40CFR 63, Subpart X]

[Devices subject to this condition: C40, C41, C42, C43, C45, D128, D132, D133, S139]

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The operator shall comply with the terms and conditions set forth below:

NEW
D182.15 The operator shall test this equipment in accordance with the following specifications

A. Triplicate tests shall be performed to measure the emissions listed in this condition at the inlets of cupola furnace baghouse no. 1 (device C45), cupola furnace baghouse no. 2 (device C41), and the reverberatory furnace baghouse (device C40).

B. The tests on the inlets of cupola baghouse nos. 1 and 2 (devices C41 and C45) shall be performed simultaneously with the tests for these compounds at the new tray scrubber outlet of device C203, prior to the junction with the common stack outlet of device S139.

C. The tests on the inlet of the reverberatory furnace baghouse (device C40) shall be performed simultaneously with the tests for these compounds at the existing tray scrubber outlet of device C43, prior to the junction with the common stack outlet of device S139.

D. Tests shall include, but may not be limited to, a test for:

Total arsenic
Total cadmium
Total lead

E. The tests shall demonstrate a minimum control efficiency of 99 percent, each, on both total arsenic and total cadmium emissions, pursuant to Rule 1407(d)(3).

F. At least three test runs for oxides of sulfur (SOx) shall be performed at the inlets to the two venturi scrubbers of devices C42 and C202.

G. The inlet tests for SOx on the inlet of device C42 shall be performed simultaneously with tests for SOx at the outlet of the tray-type scrubber of device C43.

H. The inlet tests for SOx on the inlet of device C202 shall be performed simultaneously with tests for SOx at the outlet of the tray-type scrubber of device C203.

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The operator shall comply with the terms and conditions set forth below:

I. The total number of test runs for SOx shall be determined pursuant to the source test protocol requirements in Rule 2011.

[RULE 1401, RULE 1402, RULE 1407, RULE 1420, RULE 2005, RULE 2011]

[Devices subject to this condition: C40, C41, C42, C43, C45, C202, C203]

MODIFIED

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD. The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;
2). Description of any corrective actions taken to abate visible emissions;
3). Date and time visible emission was abated; and
4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D1, D2, D7, D8, D9, D10, D11, D12, D13, D14,

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The operator shall comply with the terms and conditions set forth below:

D15, D16, D17, D18, D19, D20, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, C42, C43, C44, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D135, D136, D137, D138, S139, C143, D149, D151, D152, D153, D154, D155, C159, D161, C162, D164, C165, C172, D173, D183, C184, C186, C188, C196, **D197, D198, C199, C200, C201, C202, C203, C204, C205]**

E. Equipment Operation/Construction Requirements

NEW
E448.11 The operator shall comply with the following requirements:

A Rule 1402 facility-wide health risk assessment (HRA) shall be performed subject to the following conditions:

A) Upon approval of the source test report for the rotary dryer furnace air pollution control system, the two process venturi/tray scrubber systems at this facility, and the HEPA filter systems installed on the MAC baghouses, cupola feed room baghouse, and the soft and hard lead baghouses, detailed dispersion modeling and an HRA shall be performed based on the new emission rate data and based on instructions provided by the SCAQMD subsequent to approval of the source test report.

B) Within 60 days following the SCAQMD approval of the initial source test results, Exide shall submit a revised AB2588 HRA based on the approved source test results to determine the risk level (MICR and hazard indices) and the cancer burden.

C) Two copies of the HRA report shall be submitted to the SCAQMD (Attention: Energy/Public Services/Waste Management/Terminals Permitting.)

D) The HRA report prepared pursuant to this condition shall be used to demonstrate compliance with Rule 1402 requirements in conjunction with the Risk Reduction Plan submitted by Exide to the SCAQMD. The demonstrated risk shall not exceed the action risk levels as defined in Rule 1402 and the demonstration shall be completed within the timeline set forth in the rule.

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The operator shall comply with the terms and conditions set forth below:

[RULE 1402, 3-4-2005]

[Devices subject to this condition: S139, S140, S141, S142, S145, S158, S166, S187, S189]

NEW
E448.12 The operator shall comply with the following requirements:

A. Smoke tests shall be performed on the cupola furnace slag tap hood and the cupola furnace thimble enclosure pursuant to the following requirements.

B. A smoke device capable of generating 8,000 cubic feet of smoke shall be used, or an equivalent smoke device as approved by the Executive Officer.

C. Smoke Test Procedure: Place a small open container or metal plate on a stable and flat area inside of the hood enclosure. Place the smoke device inside the container and/or on the plate. After lighting the smoke device, quickly close any access door(s) to avoid smoke from escaping. Let the smoke device completely burn. The entire space inside the enclosure will now be filled with the smoke. Observe for leaks of smoke from each seal, joint, and opening.

D. Using a video camera, record the observations of the smoke test and make a qualitative assessment of any leaks of smoke. The video recording shall include a time stamp identifying the calendar date and the chronological time of each smoke test.

E. Using the procedure in conditions C and D, perform a smoke test on the new cupola furnace thimble enclosure upon the initial cold start-up of the cupola furnace subsequent to the start of natural gas combustion in both the cupola furnace and afterburner, but prior to the initial coke, lead metal, and/or feed charge while the cupola furnace is warming up. Record video observations of the outside of the enclosure. Simultaneously, record video observations of the isolation door inside the enclosure with the existing isolation door video camera.

F. Using the procedure in conditions C and D, perform a smoke test on the new cupola furnace thimble enclosure while the cupola furnace is in full operation and charging is occurring. Record video observations of the outside of the enclosure. Simultaneously, record video observations of the isolation door inside the enclosure with the existing isolation door video camera.

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The operator shall comply with the terms and conditions set forth below:

G. Using the procedure in conditions C and D, perform a smoke test on the new slag tapping hood enclosure while the cupola furnace is in full operation. The video records shall indicate that no smoke leaks occur at any point of the enclosure.

H. Using standard titanium tetrachloride smoke sticks, perform smoke tests of the two refining pot furnaces which will be used for arsenic additions. Record video of these events to demonstrate that no fugitive emissions escape capture by the pot furnace hoods.

I. Video files for both the internal and external smoke observations of the cupola furnace thimble hood enclosure, the cupola furnace slag tap smoke tests, and the refining pot furnace smoke tests shall be submitted to the SCAQMD (Attention: Energy/Public Services/Waste Management/Terminals Permitting).

J. The video files shall be submitted on compact disk or DVD in the avi or wmv Microsoft Windows video formats, or authored as standard NTSC MPEG2 DVD video disks.

K. The video files produced shall have calendar date and time stamps visible on each video frame.

L. The date and time stamps on the video files shall be synchronized with the network time associated with data acquisition of the processes at the Exide facility. The precision of the time synchronization for this purpose shall be accurate to within plus or minus 30 seconds.

M. The video records shall demonstrate that no smoke leaks occur from any point of the cupola thimble hood enclosure, the cupola furnace slag tapping port and the cupola charging cart tunnel opening.

[RULE 1401, RULE 1402, RULE 1407, RULE 1420, RULE 2005]

[Devices subject to this condition: D7, D9, D128, D132, D133]

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The operator shall comply with the terms and conditions set forth below:

NEW
E448.13 The operator shall comply with the following requirements:

The following requirements shall apply to monitoring of static pressure differential inside of smelting furnaces at this facility for compliance with Rule 1420.1.

A. The monitoring device shall be approved by the Executive Officer pursuant to Rule 1420.1 (f)(4).

B. The monitoring device shall:
- **a. Continuously measure the instantaneous static differential furnace pressure.**
- **b. Have a resolution of at least 0.01 inches water column.**
- **c. Have an increment of measurement of 0.01 inches water column.**
- **d. Have a range from -10 inches to +10 inches water column for the measuring device.**
- **e. Be equipped with ports to allow for periodic calibration in accordance with manufacturer's specifications.**
- **f. Be calibrated according to manufacturer's specifications at a frequency of not less than twice every calendar year.**
- **g. Be equipped with a continuous data acquisition system (DAS). The DAS shall record the data output from the monitoring device at a frequency of not less than once every sixty (60) seconds.**
- **h. Generate data files from the computer system interfaced with each DAS each calendar day. The data file shall be saved in electronic ASCII character format, Microsoft Excel (xls or xlsx) format, PDF format, or other format as approved by the Executive Officer. The file shall contain a table of chronological date and time and the corresponding data output value from the monitoring device in inches of water column. The operator shall prepare a separate data file each day showing the 30-minute average pressure readings recorded by this device each calendar day.**
- **i. Be maintained in accordance with manufacturer's specifications.**

C. A reverberatory furnace may be operated at an alternative static differential furnace pressure if the owner or operator can demonstrate that it can achieve emission reductions that are equivalent to or better than those achieved when operating at a pressure of -0.02 or more negative.
- **a. Demonstration shall be based on source test protocols and source tests conducted pursuant to the requirements of subdivision Rule 1420.1 (k) and approved by the Executive Officer.**

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The operator shall comply with the terms and conditions set forth below:

b. The alternative static differential furnace pressure shall not exceed 0.4 inches water column and must be approved by the Executive Officer in the Continuous Furnace Pressure Monitoring Plan of Rule 1420 (f)(4).

[RULE 1420.1]

[Devices subject to this condition : D119, D128]

NEW
E448.14 The operator shall comply with the following requirements:

The following requirements apply to the monitoring of air pollution control system (APCS) exhaust gas flow rates at this facility.

A. The nomenclature used to identify the individual air flow meters and/or pressure differential measuring devices is listed below and shall be used for monitoring, record keeping and reporting under this permit condition. Exhaust gas flow meters and/or pressure differential measuring devices shall be installed on the following exhaust duct locations associated with APCS No. 1 (serving the reverberatory furnace) and APCS No. 2 (serving the cupola furnace).

a. The exhaust duct directly connected to the pot furnaces of Device Nos. D7 and D9, prior to the connection of this duct with any other attached duct. This meter or device shall be identified as Measuring Device F7.

b. The exhaust duct directly connected to the slag tapping hood serving the cupola slag tapping port of Device D132, prior to the connection of this duct with any other attached duct. This meter or device shall be identified as Measuring Device F132.

c. The exhaust duct directly connected to the blower exhaust outlet of the RTO of Device C205, serving the cupola furnace thimble hoods, prior to the connection of this duct with any other attached duct. This meter or device shall be identified as Measuring Device F205.

d. The exhaust duct directly connected to the blower exhaust outlet of cupola furnace baghouse no. 1 of Device C45, serving the cupola furnace, prior to the connection of this duct with any other attached duct. This meter or device shall be identified as Measuring Device F45.

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The operator shall comply with the terms and conditions set forth below:

e. The exhaust duct directly connected to the blower exhaust outlet of cupola furnace baghouse no. 2 of Device C41, serving the cupola furnace, prior to the connection of this duct with any other attached duct. This meter or device shall be identified as Measuring Device F41.

f. The exhaust duct directly connected to the blower exhaust outlet of the reverberatory baghouse of Device C40, serving the reverberatory furnace, prior to the connection of this duct with any other attached duct. This meter or device shall be identified as Measuring Device F40.

g. The exhaust duct section directly connected to the manual damper located between the venturi scrubbers of Device C42 and the scrubber of Device C202. This flow meter shall be installed adjacent to the manual damper on the side closest to device C42, prior to the connection of this run of duct with any other attached duct. This meter shall be identified as meter F42MD. This meter shall also be capable of indicating the relative direction of gas flow. A positive gas flow shall be defined as a flow towards device C42.

h. The ducts referenced in a. through g. of this condition shall be inspected at least annually for material build-up or other conditions that may contribute to the obstruction of air flow in the ducts. Any such material build-up or condition found that may contribute to such air flow obstruction shall be removed or remedied such that proper air flows are achieved based on original system design.

B. The operator shall record the following data for the measuring devices designated in this condition as F7, F40, F41, F45, F42MD F132, and F205. This data shall include the following:

a. Date
b. Time
c. Meter Identification
d. Actual meter reading in displayed units
e. The conversion factor from displayed and/or recorded units to flow rate
f. Flow rate in actual cubic feet per minute (ACFM)
g. Initials of person taking each reading, unless automated data is taken

C. The data logging required by this condition shall either be recorded manually or shall be recorded using a digital data acquisition system.

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The operator shall comply with the terms and conditions set forth below:

D. If the data is recorded manually, it shall be recorded not less than once per hour. If the data is recorded automatically, it shall be recorded on a one minute interval sampling rate.

E. If automatic monitoring is used, the monitoring devices shall:

a. Continuously measure the instantaneous flow rate.

b. Be calibrated according to manufacturer's specifications at a frequency of not less than once every calendar year.

c. Be equipped with a continuous data acquisition system (DAS). The DAS shall record the data output from the monitoring device at a frequency of not less than once every sixty (60) seconds.

d. Generate data files from the computer system interfaced with each DAS each calendar day. The data file shall be saved in electronic ASCII character format, Microsoft Excel (xls or xlsx) format, PDF format, or other format as approved by the Executive Officer. The file shall contain a table of the data specified in this condition.

e. Be maintained in accordance with manufacturer's specifications.

F. For the purpose of this condition, Exide has the option of installing alternate parameter measuring devices including, but not limited to, pressure differential gauges and pressure transducers which measure and record a pressure reading which can be converted to a flow rate using appropriate conversion factors as indicated in subpart (B)(e) of this condition. The conversion factor shall be updated at least once every 12 calendar months.

[RULE 1401, RULE 1402, RULE 1407, RULE 1420, RULE 1420.1]

[Devices subject to this condition : D7, D9, C40, C41, C45, C42, D132, C205]

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The operator shall comply with the terms and conditions set forth below:

H. Applicable Rules

MODIFIED
H116.2 The operator shall be subject to the requirements stated in Rules 1407 and 1420 in order to comply with these rules whenever this equipment is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, D115, D119, D128, C144, **C196, C200, C201, C202, C203, C204]**

K. Record Keeping/Reporting

MODIFIED
K67.7 The operator shall keep records, in a manner approved by the **SCAQMD**, for the following parameter(s) or item(s):

A daily operating log documenting venturi and tray scrubber liquid flow rates, in gallons per minute, and liquid pH, with liquid flow rate entries made at intervals not to exceed 1 hour, and liquid pH entries made at intervals not to exceed 4 hours.

A daily operating log documenting venturi and tray scrubber pressure differentials, in inches water column, with entries made at intervals not to exceed 1 hour.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]

[Devices subject to this condition : C42, C43, **C202, C203]**

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The operator shall comply with the terms and conditions set forth below:

NEW
K67.12 The operator shall keep records, in a manner approved by the SCAQMD, for the following parameter(s) or item(s):

Records from the regenerative thermal oxidizer temperature recording device(s).

The dates on which calibrations of the regenerative thermal oxidizer temperature recording device(s) are performed.

[RULE 1303(a)(1)-BACT]
[Devices subject to this condition: C199, C205]

NEW
K67.13 The operator shall keep records, in a manner approved by the SCAQMD, for the following parameter(s) or item(s):

The calendar dates on which calibrations of the triboelectric-type broken filter detector are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken filter detector.

[RULE 1303(a)(1)-BACT, RULE 1407]
[Devices subject to this condition : C204]